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CLAIMS:

1. A guide catheter comprising:

an elongated sheath having proximal end, a distal tip, and an inner channel to accommodate travel of a medical component;

- a first material in the distal tip, wherein the first material is radio-opaque and echogenic; and
- a second material in a wall of the sheath, wherein the second material is radioopaque.
- The guide catheter of claim 1, wherein the first material comprises tungsten carbide.
- The guide catheter of claim 1, wherein the first material comprises jetmilled tungsten carbide particles.
- 4. The guide catheter of claim 1, wherein the distal tip is formed of a polymeric material, and the first material comprises tungsten carbide particles distributed within the polymeric material.
- The guide catheter of claim 4, wherein the tungsten carbide particles are distributed within the polymeric material in the amount of approximately 70 to 75 percent by weight.
- The guide catheter of claim 4, wherein the tungsten carbide particles are distributed within the polymeric material in the amount of approximately 73 to 74 percent by weight.
- 7. The guide catheter of claim 4, wherein the tungsten carbide particles have an average diameter of less than approximately 500 nanometers.

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- The guide catheter of claim 4, wherein the tungsten carbide particles have an average diameter of less than approximately 200 nanometers.
- 9. The guide catheter of claim 4, wherein the sheath includes a number of sheath segments extending along the length of the guide catheter, and each of the sheath segments is formed of a polymeric material containing tungsten carbide particles.
- The guide catheter of claim 1, further comprising a reinforcing braid formed within the sheath, wherein the second material forms at least one strand in the reinforcing braid.
- 11. The guide catheter of claim 10, wherein the second material comprises a material selected from the group consisting of platinum iridium, gold, tantalum, platinum, and tungsten carbide.
 - 12. A guide catheter comprising:

an elongated sheath having proximal end, a distal tip, and an inner lumen sized to accommodate travel of medical components; and

- a first material in the distal tip, wherein the first material is radio-opaque and echogenic, and includes tungsten carbide particles having an average diameter of less than 500 nanometers.
- The guide catheter of claim 12, wherein the first material comprises jet milled tungsten carbide particles.
- 14. The guide catheter of claim 12, wherein the distal tip is formed of a polymeric material, and the first material comprises tungsten carbide particles distributed within the polymeric material.

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- The guide catheter of claim 14, wherein the tungsten carbide particles are distributed within the polymeric material in the amount of approximately 70 to 75 percent by weight.
- 16. The guide catheter of claim 14, wherein the tungsten carbide particles are distributed within the polymeric material in the amount of approximately 73 to 74 percent by weight.
- 17. The guide catheter of claim 14, wherein the tungsten carbide particles have an average diameter of less than approximately 200 nanometers.
- 18. The guide catheter of claim 14, wherein the sheath includes a number of sheath segments extending along the length of the guide catheter, and each of the sheath segments is formed of a polymeric material containing tungsten carbide particles.
- The guide catheter of claim 18, wherein the polymeric material comprises a polyether block amide.